#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 28 July 2005 (28.07.2005)

**PCT** 

# (10) International Publication Number WO 2005/068505 A1

- (51) International Patent Classification<sup>7</sup>: C12N 15/00, 15/48
- C07K 19/00,
- (21) International Application Number:

PCT/KR2004/000117

- (22) International Filing Date: 20 January 2004 (20.01.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant and
- (72) Inventor: HUR, Man-Wook [KR/KR]; 31-812 Eunma Apt., Daechi 2-dong, Gangnam-gu, Seoul 135-970 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KIM, Jung-Min [KR/KR]; 311-1003 Gyeonghyang Apt., Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-924 (KR). KIM, Yeon-Soo [KR/KR]; 101-1607 Yuwon Apt., Secho 4-dong, Seocho-gu, Seoul 137-780 (KR).

- (74) Agents: LEE, Sang-Yong et al.; 4F., Byukcheon Bldg., 1597-5, Seocho-dong, Seocho-gu, Seoul 137-876 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: FUSION PROTEIN COMPRISING TATDMT POLYPEPTIDE

A

1-1 FOZdomain - Tatdiff

AZF39

AZF39-TatdMt

POZ-AZF39-TatdMt

FOZ-domaia | NLS| ① ② ② ① | TatdMt

AZF40

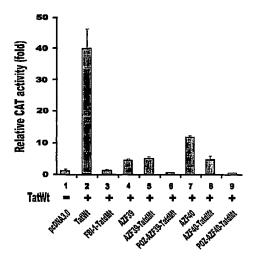
AZF40-TatdMt

| NLS| ① ② ② ② | TatdMt

| NLS| ① ② ② ② | TatdMt

POZ-AZF40-TatdMt POZ-domain

В



(57) Abstract: The fusion proteins are suitable for use as anti-AIDS therapeutic agents which are fused via artificial zinc fingers and the POZ-domain or artificial zinc fingers, the POZ domain and the TatdMt polypeptide.

### WO 2005/068505 A1



### Published:

with international search report

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.